

FILE 'HOME' ENTERED AT 15:55:51 ON 10 JUL 2007

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:56:15 ON 10 JUL 2007

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STRUCTURE FILE UPDATES: 9 JUL 2007 HIGHEST RN 941818-42-4

DICTIONARY FILE UPDATES: 9 JUL 2007 HIGHEST RN 941818-42-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

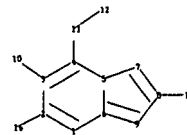
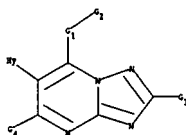
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10511774\1051174a.str



```

chain nodes :
10 11 12 15 16
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
2-16 3-10 4-11 8-15 11-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
1-2 1-6 2-3 2-16 3-4 3-10 4-5 4-11 5-6 5-7 6-9 7-8 8-9 8-15 11-12

```

G1:SH,SO2,O,S

G2:Hy,Ak,C

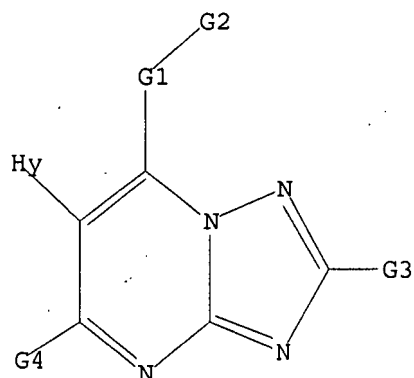
G3:H,X,Ak,C

G4:X,Ak,CN

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS 15:CLASS 16:CLASS

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 SH,SO2,O,S
G2 Hy,Ak,C
G3 H,X,Ak,C
G4 X,Ak,CN

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 15:56:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 370 TO ITERATE

100.0% PROCESSED 370 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6246 TO 8554
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

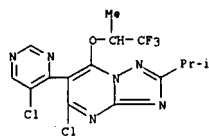
=> s l1 full
FULL SEARCH INITIATED 15:56:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7134 TO ITERATE

100.0% PROCESSED 7134 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

L3 3 SEA SSS FUL L1

=> d scan

L3 3 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(5-chloro-4-pyrimidinyl)-2-(1-methylethyl)-7-(2,2,2-trifluoro-1-methylethoxy)- (9CI)
MF C15 H13 Cl2 F3 N6 O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
172.55	172.76

FILE 'CAPLUS' ENTERED AT 15:57:19 ON 10 JUL 2007
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FILE COVERS 1907 - 10 Jul 2007 VOL 147 ISS 3
FILE LAST UPDATED: 9 Jul 2007 (20070709/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 1 L3

=> d l4 ibib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:1154714 CAPLUS

DOCUMENT NUMBER:
142:93844

TITLE:
Method for producing triazolopyrimidines and to their
use for controlling undesirable microorganisms
INVENTOR(S):
Gebauer, Olaf; Heinemann, Ulrich; Greul, Joerg Nico;
Herrmann, Stefan; Guth, Oliver; Elbe, Hans-Ludwig;
Gayer, Herbert; Hillebrand, Stefan;
Wachendorff-Neumann, Ulrike; Kuck, Karl-Heinz; Dahmen,
Peter

PATENT ASSIGNEE(S):
Bayer Cropscience Aktiengesellschaft, Germany

SOURCE:
PCT Int. Appl., 55 pp.

CODEN: PIXX02

DOCUMENT TYPE:
Patent

LANGUAGE:
German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004/113341	A2	20041229	WO 2004-EP6369	20040614
WO 2004/113341	A3	20050512		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HD, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GU, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10328173	A1	20050113	DE 2003-10328173	20030624
EP 1638974	A2	20060329	EP 2004-739853	20040614
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1809571	A	20060726	CN 2004-80017546	20040614
BR 2004011972	A	20060829	BR 2004-11972	20040614
JP 2007506657	T	20070322	JP 2006-515917	20040614
US 2006281767	A1	20061214	US 2006-561174	20060606
PRIORITY APPLN. INFO.: DE 2003-10328173 A 20030624 WO 2004-EP6369 W 20040614				

OTHER SOURCE(S):
GI MARPAT 142:93844

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to novel triazolopyrimidines I [R1 = (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl; R2 = H, halogen, (un)substituted alkyl, cycloalkyl; R3 = (un)substituted heteroalkyl; G = SO₂; X = halogen, CN, (un)substituted alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl; n = 0 - 2], to a method for producing said substances and to their use for controlling undesirable microorganisms. The procedure for the preparation of I is characterized by the reaction of dihalotriazolopyrimidines II (X1, Y1 = halogen) with R1GH to give I (X = X1) which is further reacted with (i) R4-M [R4 = (un)substituted alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl; CN; M = Na, K] or (ii) R5Mg-Hal

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

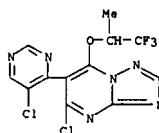
[R5 = (un)substituted alkyl; Hal = Cl, Br] in a dil. medium. The invention also relates to novel intermediate products of the formulas III, IV (R6 = Cl+alkyl; R7 = alkyl, haloalkyl) and V (R8 = halo, haloalkyl; R9, R10 = H, F, Cl, Br, Me, Et, OMe), in addn. to methods for producing said substances. Thus, triazolopyrimidine I (R1 = CHMeCHMe2, R2 = H, R3 = 4-chloro-3-pyrimidinyl, G = S, X = Cl) was prepd. from dihalotriazolopyrimidine II (R2 = H, R3 = 4-chloro-3-pyrimidinyl, X1 = Y1 = Cl) via reaction with Me2CHCHMeSH in MeCN contg. KF and K2CO3. The antimicrobial activity of I (R1 = CHMeCHMe2, R2 = H, R3 = 4-chloro-3-pyrimidinyl, G = S, X = Cl) was detd. [100% inhibition vs. Podosphaera leucotricha at 100g/ha; 90% inhibition vs. Venturia inaequalis at 100g/ha; ED50 = 10 ppm vs. Botrytis cinerea].

IT 816457-18-8P 816457-19-9P 816457-22-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Preparation of triazolopyrimidines for use in controlling pathogenic microorganisms)

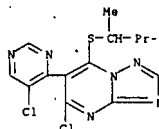
RN 816457-18-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(5-chloro-4-pyrimidinyl)-7-(2,2,2-trifluoro-1-methylethoxy)- (9CI) (CA INDEX NAME)



RN 816457-19-9 CAPLUS

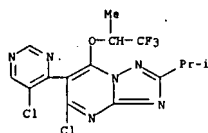
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(5-chloro-4-pyrimidinyl)-7-[(1,2-dimethylpropyl)thio]- (9CI) (CA INDEX NAME)



RN 816457-22-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(5-chloro-4-pyrimidinyl)-2-(1-methylethyl)-7-(2,2,2-trifluoro-1-methylethoxy)- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



=> d his

(FILE 'HOME' ENTERED AT 15:55:51 ON 10 JUL 2007)

FILE 'REGISTRY' ENTERED AT 15:56:15 ON 10 JUL 2007

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 3 S L1 FULL

FILE 'CAPLUS' ENTERED AT 15:57:19 ON 10 JUL 2007

L4 1 S L3

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.32	185.08
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.78	-0.78

STN INTERNATIONAL LOGOFF AT 16:06:02 ON 10 JUL 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJHM1624

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 3 MAR 16 CASREACT coverage extended
NEWS 4 MAR 20 MARPAT now updated daily
NEWS 5 MAR 22 LWPI reloaded
NEWS 6 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 7 APR 02 JICST-EPLUS removed from database clusters and STN
NEWS 8 APR 30 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 9 APR 30 CHEMCATS enhanced with 1.2 million new records
NEWS 10 APR 30 CA/Caplus enhanced with 1870-1889 U.S. patent records
NEWS 11 APR 30 INPADOC replaced by INPADOCDB on STN
NEWS 12 MAY 01 New CAS web site launched
NEWS 13 MAY 08 CA/Caplus Indian patent publication number format defined
NEWS 14 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display
 fields
NEWS 15 MAY 21 BIOSIS reloaded and enhanced with archival data
NEWS 16 MAY 21 TOXCENTER enhanced with BIOSIS reload
NEWS 17 MAY 21 CA/Caplus enhanced with additional kind codes for German
 patents

NEWS 18 MAY 22 CA/CAPplus enhanced with IPC reclassification in Japanese patents
 NEWS 19 JUN 27 CA/CAPplus enhanced with pre-1967 CAS Registry Numbers
 NEWS 20 JUN 29 STN Viewer now available
 NEWS 21 JUN 29 STN Express, Version 8.2, now available
 NEWS 22 JUL 02 LEMBASE coverage updated
 NEWS 23 JUL 02 LEMBASE coverage updated
 NEWS 24 JUL 02 SCISEARCH enhanced with complete author names
 NEWS 25 JUL 02 CHEMCATS accession numbers revised
 NEWS 26 JUL 02 CA/CAPplus enhanced with utility model patents from China

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,
 CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:49:05 ON 11 JUL 2007

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.84	0.84

FILE 'REGISTRY' ENTERED AT 09:51:18 ON 11 JUL 2007

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STRUCTURE FILE UPDATES: 10 JUL 2007 HIGHEST RN 942116-98-5

DICTIONARY FILE UPDATES: 10 JUL 2007 HIGHEST RN 942116-98-5

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

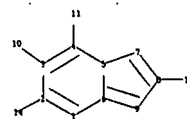
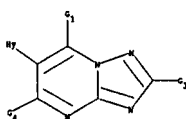
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10511774\1051174b.str



chain nodes :

10 11 13 14

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

2-14 3-10 4-11 8-13

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

1-2 1-6 2-3 2-14 3-4 3-10 4-5 4-11 5-6 5-7 6-9 7-8 8-9 8-13

G1:O,S

G3:H,X,Ak,C

G4:X,Ak,CN,O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

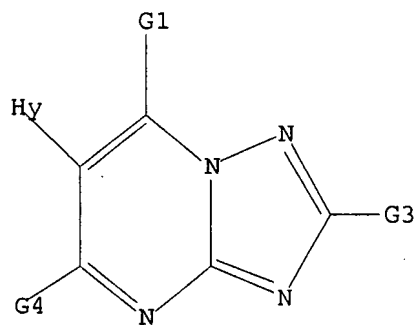
11:CLASS 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

G2

G3 H,X,Ak,C

G4 X,Ak,CN,O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:51:35 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 370 TO ITERATE

100.0% PROCESSED 370 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

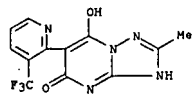
PROJECTED ITERATIONS: 6246 TO 8554

PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> d scan

L2 3 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN [1,2,4]Triazole[1,5-a]pyrimidin-5(1H)-one, 7-hydroxy-2-methyl-6-[3-
(trifluoromethyl)-2-pyridinyl]- (9CI)
MF C12 H8 F3 N5 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0